

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/803,152	SHIMAMURA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Shervin Nakhjavan	2621	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment received 6/24/05.
2. ☒ The allowed claim(s) is/are 1,2,6 and 7.
3. ☒ The drawings filed on 12 March 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

Art Unit: 2621

1. Applicant's arguments, see remarks page 4, filed 6-24-05, with respect to Kobayashi et al. (US 5,892,515) and Cline et al. (US 6,204,853) not teaching the smoothing operation of the edge of the model and transforming the edge into a curved surface having a predetermined radius of curvature of claims 1 and 6 have been fully considered and are persuasive. The rejection of claims 1, 2 and 6 has been withdrawn.

### **REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance: claims 1, 2, 6 and 7 are allowed because, the prior art of record specifically Kobayashi et al. in view of Cline et al. fails to teach smoothing the detected edge to form a curved surface having a *predetermined radius* and dividing the 3D model into hexahedral elements wherein the length of each edge of the hexahedral elements is *less than the predetermined radius* of the curved surface of claims 1, 6 and 7 combined with other features and elements of the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Contact information**

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shervin Nakhjavan whose telephone number is (571) 272-7395. The examiner can normally be reached on Monday through Friday from 8:00

Art Unit: 2621

am to 5:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joe Mancuso, can be reached at ((571) 272-7695.

**Any response to this action should be mailed to:**

**Commissioner for Patents**

**P.O. Box 1450**

**Alexandria, VA 22313-1450**

**Or faxed to:**

**(571) 273-8300** for *formal* communications,

**Hand delivered responses:** (Federal Express (Fed Ex), UPS, DHL, Laser, Action, Purolator, etc.)

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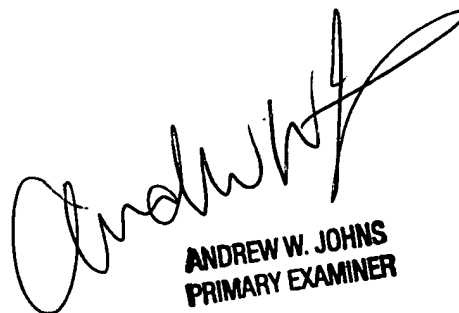
Any inquiry of a general nature or relating to the status of this application should be directed to the Tech center 2600 customer service office **(571) 272-2600**.

Shervin Nakhjavan S.N

Patent Examiner

Group Art Unit 2621

July 12, 2005



**ANDREW W. JOHNS**  
**PRIMARY EXAMINER**